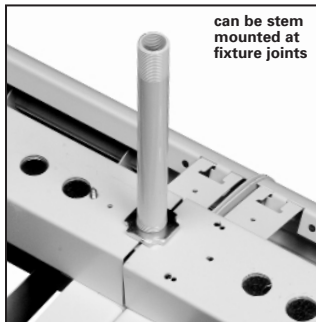


Features

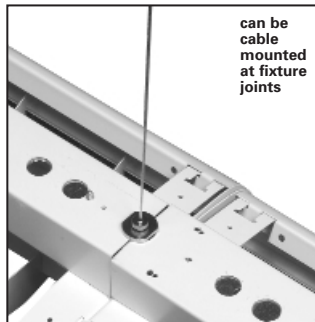
- Energy savings replacement for HID Low or High Bay.
- Ideal for stores, schools, labs, warehouses.
- 90% downlight, 10% uplight.
- 93.3% efficient (2 lamp 54W T5). 80.6% efficient (2 lamp 32W T8).
- 1.1 spacing mounting ratio (2 lamp 54W T5).
- 1.2 spacing mounting ratio (2 lamp 32W T8).
- Can be pendant or surface mounted.
- 48" or 96" modular lengths.
- 95% reflective Specular Aluminum top Reflector.
- 20 gauge steel housing. 18 gauge steel ends.
- 22 gauge steel side reflectors.
- Flat white acrylic baked enamel, post painted.
- Louver can hinge from either side.
- Louver safety chain standard.
- Removeable upper end cap for thru wiring.
- Can be stem or cable mounted at fixture joints.
- K.O. in upper end cap for occupancy sensor.
- Heavy duty coupler available.
- Meets NYC Code requirements.



Mounting Methods



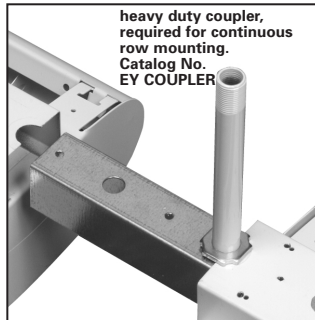
can be stem
mounted at
fixture joints



can be
cable
mounted at
fixture
joints



can be
suspended
with chain
hanger
sets
Catalog No.
AH5 CSP



heavy duty coupler,
required for continuous
row mounting.
Catalog No.
EY COUPLER



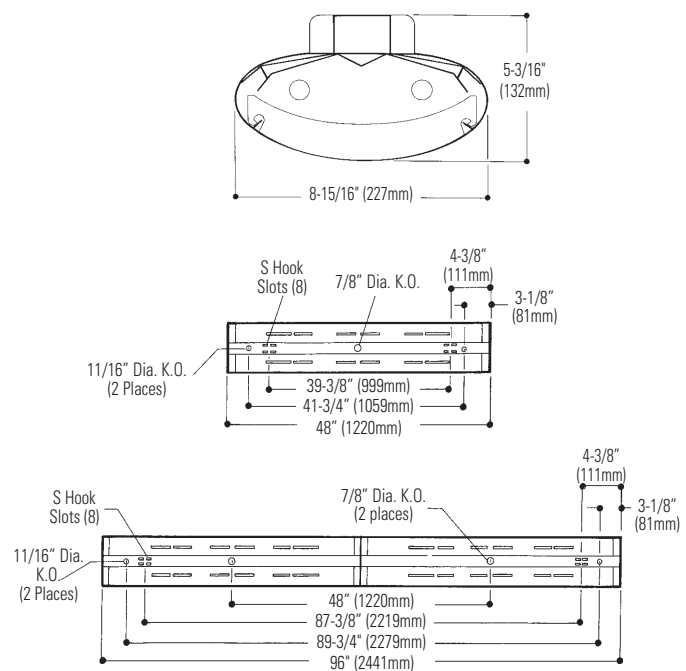
optional
occupancy
sensor
see folio
OA60-10

Luminaire-Mounted Motion Sensor

360° coverage, up to 45 ft. mounting distance.
Field installed. Catalog Number: **FHB360**.

- Line voltage accepts 120 through 347 volt applications.
- Uses passive infrared (PIR) technology shielded by a fresnel lens; upon detection of infrared energy levels, the sensor is triggered and switches the light on.
- Light shuts off after a time delay unit that is factory preset at 10 minutes, manually adjustable from 30 sec. to 20 min. using tool included.
- Mounts on either end using 7/8" knockouts provided.

Dimensions



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

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Section 5/Folio K60-15



Model No. EYS414FR232UNVHI

LER = FP - 67.3 IW - 59.7 BF - 0.87
Comparative yearly lighting energy cost per
1000 lumens = \$3.58

Report Number: G2005315
Catalog Number: EYS414FR232UNVHI
Lamps: F32T8
Luminaire: Eye-Q LB with solid sides, 14
cell flat white louver and 10% uplight
specular reflector
Ballast: B232IUNVHP-B-Triad
Report is based on 2850 Lumens per lamp.
Efficiency: 80.6%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.1 1.2
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 48.000 9.000
Height of Side: 3.960 3.960

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10
RW	70	50	30	10
1	86	82	78	74
2	78	71	66	65
3	71	62	56	57
4	65	55	48	45
5	60	49	42	45
6	55	44	37	41
7	51	40	33	37
8	47	37	30	34
9	44	34	27	31
10	41	31	25	29

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	3735.	3507.	4266.
55	3049.	3429.	4063.
65	2041.	2839.	3388.
75	1377.	1887.	1951.
85	635.	929.	287.

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1547	1547	1547	
5	1534	1526	1542	146
15	1425	1428	1434	403
25	1241	1242	1268	575
35	1034	1034	1205	674
45	797	872	1211	729
55	545	753	1058	678
65	283	522	776	513
75	130	269	372	271
85	30	90	42	78
90	4	60	13	
95	19	32	15	32
105	35	70	56	62
115	48	90	103	86
125	61	121	120	93
135	73	129	149	91
145	84	115	116	72
155	94	104	117	49
165	102	102	106	29
175	105	98	98	10
180	100	100	100	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1124	19.7	24.5
0- 40	1798	31.5	39.2
0- 60	3206	56.2	69.8
0- 90	4067	71.4	88.6
90-120	180	3.2	3.9
90-130	274	4.8	6.0
90-150	437	7.7	9.5
90-180	525	9.2	11.4
0-180	4592	80.6	100.0

Model No. EYS414FR254UNVPG

LER = FP - 69.1 IW - 118.5 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$3.48

Report Number: G2005307
Catalog Number: EYS414FR254UNVPG
Lamps: FP54/835
Luminaire: Eye-Q LB with solid sides, 14
cell flat white louver and 10% uplight
specular reflector.
Ballast: B254-IUNV-E Universal
Report is based on 4400 Lumens per lamp.
Efficiency: 93.3%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.1 1.1
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 48.000 9.000
Height of Side: 3.960 3.960

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10
RW	70	50	30	10
1	99	95	91	86
2	90	83	76	75
3	82	72	65	66
4	75	64	56	59
5	69	57	49	52
6	64	51	43	47
7	59	46	38	43
8	55	42	35	39
9	51	39	31	36
10	48	36	29	33

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	7075.	6411.	7788.
55	5812.	6348.	7722.
65	3952.	5619.	5760.
75	2617.	3186.	3976.
85	1377.	1734.	614.

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	2847	2847	2847	
5	2820	2805	2811	266
15	2644	2579	2561	731
25	2318	2220	2059	1013
35	1937	1730	2164	1197
45	1510	1594	2211	1330
55	1039	1394	2011	1274
65	548	1033	1319	935
75	247	454	758	502
85	65	168	90	150
90	6	112	19	
95	22	66	23	52
105	43	58	26	65
115	52	179	112	128
125	55	259	258	185
135	57	259	329	174
145	59	192	296	116
155	60	127	186	58
165	64	73	92	22
175	61	50	48	5
180	53	53	53	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	2010	22.8	24.5
0- 40	3207	36.4	39.0
0- 60	5810	66.0	70.7
0- 90	7398	84.1	90.1
90-120	256	2.9	3.1
90-130	441	5.0	5.4
90-150	731	8.3	8.9
90-180	816	9.3	9.9
0-180	8214	93.3	100.0

Ordering Information

Explanation of Catalog Number. Example: EYS414FR232UNVHI

EY	S			F	R	2				
Eye-Q LB: Suspended/ Surface Fluorescent Luminaire	S=Solid Sides	Fixture Length: 4=48" 8=96"	14= 14 Cell Louver 1 Row 28= 28 Cell Louver 2 Rows	Finish: F= Flat White	R= 10% Uplight Reflector	Lamp Quantity: 2=2 Lamp 2 Lamps in Tandem for 96" Units	Lamp Type: (By Others) 32=T8 28=T5 54=T5 (Nominal 48")	Voltage: 120, 277 or UNV=120-277	Ballast Type:	Options: Add appropriate suffix to catalog no., ie: (GLR)

Options/Accessories

Stem and Canopy Sets: Suspends fixture 6", 12", 18" or 24" from surface.

Catalog Number: **ASC6 CSP** (6"), **ASC12 CSP** (12"), **ASC18 CSP** (18"),
ASC 24 CSP (24").

Fusing: Internal fast blow fusing: SUFFIX: **GLR**.

Internal slow blow fusing: SUFFIX: **GMF**.

Emergency Pack: Factory-installed emergency power battery pack with
charger and inverter. SUFFIX: **LP400** (T8). **LP550** (T5).

Cable Hangers: Adjustable 6"-60".

Single Cable and Canopy: Catalog Number: **WC60**.

Single Cable, Straight Cord and Canopy: Catalog Number: **WCCC60****.

Single Cable, Coil Cord and Canopy: Catalog Number: **WCCC60****.

Chain Hanger Kits: Catalog Number: **AH5 CSP**.

**Cord, 3-#18 wires.

Specifications

Materials: Housing is die-formed 20 gauge cold rolled steel with full length
channel for thru wiring..

Fixture Ends: 18 gauge cold rolled steel.

Louver: 22 gauge cold rolled steel.

Side Reflectors: Solid 22 gauge cold rolled steel.

Finish: Post painted white acrylic baked enamel.

Specifications (continued)

Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If
K.O. is within 3" of ballast, use wire suitable for at least 90°.

UL Listed for damp locations.

Labels: I.B.E.W./UL and ULc Listed.

Job Information	Type:
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Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

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